



PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Lixiao Wang et al.

## Application No.:

10/080,781

## Filed:

February 22, 2002

## For:

BLOCK COPOLYMER ELASTOMER CATHETER  
BALLOONS

## Examiner:

Not assigned yet

## Group Art Unit:

3763

Commissioner for Patent  
Washington, D.C. 20231

Docket No.: S63.2-10401

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MAY 30 2002

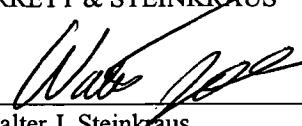
TECHNOLOGY CENTER R3700

## TRANSMITTAL LETTER

1. In regard to the above-identified application, we are submitting the attached:  
3 pg IDS; 18 pgs of 1449 form; copies of References; copy of US application 09/712042; VAS Transmittal Letter; and Postcard.
2. With respect to fees:
  - No additional fee is required.
  - Attached is check(s) in the amount of
  - Charge additional fee to our Deposit Account No. 22-0350.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**  
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees or credit overpayment associated with this communication to the Deposit Account No. 22-0350.

VIDAS, ARRETT &amp; STEINKRAUS

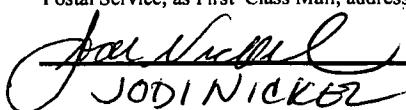
By:

  
 Walter J. Steinkraus  
 Registration No. 29,592

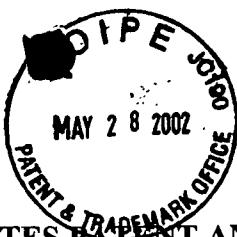
Date: May 22, 2002

 6109 Blue Circle Drive, Suite 2000  
 Minnetonka, MN 55343-9185  
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 Facsimile: (952) 563-3001

**Certificate Under 37 CFR 1.10:** I hereby certify that this Transmittal Letter and the paper(s) as described herein, are being deposited in the U.S. Postal Service, as First Class Mail, addressed to Commissioner for Patents, Washington D.C. 20231, on May 22, 2002.



ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In Re Application of:** Lixiao Wang et al.

**Application No.:** 10/080,781

**Filed:** February 22, 2002

**For:** BLOCK COPOLYMER ELASTOMER  
CATHETER BALLOONS

**Examiner:** Not assigned yet

**Group Art Unit:** 3763

Commissioner for Patent  
Washington, D.C. 20231

Docket No.: S63.2-10401

**INFORMATION DISCLOSURE STATEMENT**

Listed below or on an attached Form PTO-1449 and/or a copy of a PTO-892 form is information known to applicant(s). A copy of each listed publication, U.S. patent, foreign patent and U.S. patent application is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98, *except that* U.S. applications from which priority is claimed under 35 U.S.C. §120, and documents cited in such priority applications, may be omitted from the enclosures pursuant to 37 C.F.R. 1.98(d). Applicant's submission of copies of U.S. applications does not constitute a waiver of the confidentiality of such applications. As such, Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 or PTO-892 from a prior application is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

Applications that are listed on the accompanying modified form 1449 as related by priority are related by priority claim under 35 USC §120. Pursuant to 37 CFR §1.98(d), no copies of cited art in a previous application(s) to which priority was claimed need be submitted. Applicant is providing copies of the 1449 and/or 892 forms from these cases.

**Information Disclosure Statement****Application No. 10/080,781****Page 2**

**X** **I.** This statement qualifies as a no-fee Information Disclosure Statement under 37 C.F.R. §1.97(b) or otherwise because to the knowledge of the undersigned attorney it is being filed (check all that apply):

- (1) within 3 months of the filing date of the application (other than a CPA); or
- (2) within 3 months of entry of the national stage; or
- (3) before the mailing of a first Office Action on the merits;
- (4) before the mailing of a first Office Action after the filing of a request for continued examination (RCE) under §1.114;
- (5) as part of a continued prosecution application (CPA); or
- (6) during the period of a suspension of action for a CPA under 37 C.F.R. §1.103(b).

**II.** This statement is believed to require a fee or the submission of a certification under 37 C.F.R. §1.97 (c) or otherwise. If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application (other than CPA); (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing of a first Office Action on the merits; (4) the mailing of a first Office Action after the filing of a request for continued examination under §1.114; or (5) after the filing of a request for a continued prosecution application, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311 or an action that otherwise closes prosecution in the application, then:

- (1) a certification as specified in §1.97(e) is provided below; or
- (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

**III.** 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

- (1) a certification as specified in §1.97(e) is completed below; and
- (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with payment of other papers filed together with this statement.

***Information Disclosure Statement******Application No.10/080,781***

X **IV. Fee Authorization.** If any fee is due for consideration of this Information Disclosure Statement and full payment has not been submitted herewith, regardless of which boxes have been checked above, the Commissioner is hereby authorized to charge any additional fees associated with this communication to Deposit Account No. 22-0350. The Commissioner is hereby authorized to credit any overpayment associated with this communication to Deposit Account No. 22-0350.

***If paragraph II.1 or III is checked, also check one of the paragraphs below***

I hereby certify, under 37 CFR §1.97(e)(1), that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the date of the filing of this information disclosure statement.

I hereby certify, under 37 CFR §1.97(e)(2), that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

*For the purpose of this certification, Applicant considers the PCT International Search Authority to constitute a foreign patent office.*

If this Information Disclosure Statement has been submitted without the appropriate box checked, Applicant requests that this Information Disclosure Statement be considered nevertheless if it is timely submitted under any of the provisions of 37 C.F.R. §1.97 or otherwise. Finally, if any petition is necessary to ensure consideration of this Information Disclosure Statement, Applicant requests that this be treated as such a petition.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS, P.A.

Date: May 21, 2002

By: 

Walter J. Steinkraus  
Registration No.: 29,592

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

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FEB 28 2002

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY DOCKET NO.: S63.2-10401 NAME: Lixiao Wang et al.	APPLICATION NO.: 10/080,781 FILING DATE: February 22, 2002 GROUP: 3763	MAY 30 2002 TECHNOLOGY CENTER R3700
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REFERENCE DESIGNATION		U.S. PATENT AND PUBLISHED APPLICATION DOCUMENTS				
EXAM'S INIT.	DOCUMENT NUMBER	DATE	NAME		CLASS/ SUBCLASS	FILING DATE IF APPROPRIATE
AA	6171278		Wang et al.			
AB	6146356		Wang et al.			
AC	5951941		Wang et al.			
AD	5830182		Wang et al.			
AE	5556383		Wang et al.			
AF	6210364		Anderson et al.			
AG						
AH						
AI						
AJ						
AK						
AL						

## FOREIGN PATENT DOCUMENTS

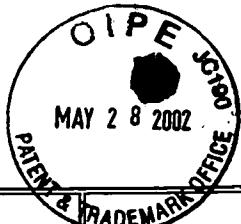
	DOCUMENT NUMBER	DATE	COUNTRY
BA	0 537 069 A1	10/8/92	EPO
BB	0 349 640 B1	2/25/88	EPO
BC			
BD			
BE			

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA			
CB			
CC			

EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Modified Form 1449</b> <b>UNPUBLISHED US</b> <b>APPLICATIONS</b> <b>NOT RELATED BY PRIORITY</b> <b>(COPIES ENCLOSED)</b>	ATTY DOCKET NO.: S63.2-10401	APPLICATION NO. S63.2-10401	<b>RECEIVED</b>
	APPLICANT: Lixiao Wang et al.	FILING DATE: February 22, 2002	MAY 30 2002
		GROUP: 3763	TECHNOLOGY CENTER R3700
<b>UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY</b>			
EXAM'S INIT	APPLICATION NO.	FILING DATE	INVENTOR(S)
DA	09/712042		Wang et al.
DB			
DC			
DD			
DE			
DF			
EXAMINER	DATE CONSIDERED		
EXAMINER: Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>Modified Form 1449</b> <b>US APPLICATIONS</b> <b>RELATED BY PRIORITY</b> <b>(COPIES NOT ENCLOSED)</b>	ATTY DOCKET NO.: S63.2-10401	APPLICATION NO. S63.2-10401			
	APPLICANT: Lixiao Wang et al.	FILING DATE: February 22, 2002	GROUP: 3763		
<b>US APPLICATIONS RELATED BY PRIORITY</b>					
EXAM'S INIT	APPLICATION NO.	FILING DATE	PATENT NO.	INVENTOR(S)	FORM 1449/892 ENC
EA	09/328781	6/9/1999		Wang et al.	
EB					
EC					
ED					
EXAMINER	/Michael Miggins/		DATE CONSIDERED		03/02/2009
EXAMINER: Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/



FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE

## STATEMENT

(Use several sheets if necessary)

ATTY DOCKET NO: S63.2-4843- 10401

SERIAL NO: 03/204,554

APPLICANT: LIXIAO WANG, ET AL

FILING DATE: MARCH 2, 1994 2/22/02

GROUP MAY 3, 2002

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10/00/02 781

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER'S INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	TECHNOLOGY CENTER R8700	
					SUBCLASS	FILED DATE IF APPROPRIATE
AA	4,906,244	3/90	PINCHUK ET AL			
AB	5,156,612	10/92	PINCHUK ET AL			
AC	4,938,676	7/90	JACKOWSKI ET AL			
AD	4,950,239	8/90	GAHARA ET AL			
AE	5,108,415	4/92	PINCHUK ET AL			
AF	5,236,659	8/93	PINCHUCK ET AL			2/92
AG	5,290,306	1/94	TROTTA ET AL			
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	92/19316	11/92	WO				
AM	540 858	5/93	EP				
AN	420 483	3/91	EP				
AO	92/08512	5/92	WO				
AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	FLESHER, JR., "POLYETHER BLOCK AMIDE: HIGH-PERFORMANCE TPE," MODERN PLASTICS, PP 100, 105, 106, 110, (SEPT. 1987).	
AS	M. XIE, ET AL, "ETUDE MORPHOLOGIQUE DE BLOC-COPOLY(ETHER-AMIDE)S," MAKROMOL. CHEM. 187, 383-400 (1986).	

EXAMINER

/Michael Miggins/

DATE CONSIDERED

03/02/2009

EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Page 3 of 18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FORM PTO-1449 (Modified)		MAY 2 2002		ATTY DOCKET NO: S63.2-4842-1040		Serial No: 08/204,554	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		PATENT TRADEMARK DESIGN		APPLICANT: LIXIAO WANG, ET AL		RECEIVED 3765 MAY 30 2002	
				FILING DATE: MARCH 2, 1994 2/22/02		Group:	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CA	H. BOUBIL, ET AL, "MORPHOLOGY OF POLYAMIDE AND POLYETHER BLOCK AMIDE BLENDS," POLYMER ENGINEERING AND TECHNOLOGY CENTER SCIENCE, 29, 679-684 (1989).						
CB	N. ALBEROLA, ET AL, "MECHANICAL RELAXATION PROCESSES IN POLYETHER BLOCK AMIDE COPOLYMERS (PEBA)," MAKROMOL. CHEM., MAKROMOL. SYMP. 23, 219-224 (1989).						
CC	H. FARUQUE, ET AL, "STUDY OF MULTIPLE RELAXATIONS IN PEBAX, POLYETHER BLOCK AMIDE (PA12 2135 BLOCK PTMC 2032), COPOLYMER USING THE THERMALLY STIMULATED CURRENT METHOD," POLYMER, 27, 527-531 (1986).						
	H. FARUQUE, ET AL, "STUDY OF MULTIPLE RELAXATIONS IN PEBAX, POLYETHER BLOCK AMIDE (PA12 2135 BLOCK PTMC 2032), COPOLYMER USING THE THERMALLY STIMULATED CURRENT METHOD," POLYMER, 27, 527-531 (1986).CD G. GORDON, "GLASS TRANSITION IN NYLONS," J. POLYMER SCI.: PART A-2, 9, 1693-1702 (1971).						
CE	D. PREVORSEK, ET AL, "MECHANICAL RELAXATIONS IN POLYAMIDES," J. POLYMER SCI.: PART A-2, 9, 867-886 (1971).						
CF	H. FARUQUE, ET AL, "A THERMALLY STIMULATED CURRENT TECHNIQUE FOR MEASURING THE MOLECULAR PARAMETERS OF PEBAX, A POLYETHER-BLOCK AMIDE COPOLYMER," J. MATER. SCI., 22, 675-678 (1987).						
CH	R. KOCH, "PEBAX," ADVANCES IN POLYMER TECHNOLOGY, 2, 160-162 (1982).						
CI	N. ALBEROLA, "MICROMECHANICAL PROPERTIES OF POLYETHER BLOCK AMIDE COPOLYMERS," J. APPLIED SCI., 36, 787-800 (1988).						
CJ	J. BRANDRUP, ET AL, eds., POLYMER HANDBOOK, JOHN WILEY & SONS (1989), PP VI/209, VI/243-VI/244.						
CK							
CL							
CM							
CN							
CO							
CP							
CQ							

/Michael Miggins/

**DATE CONSIDERED**

03/02/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FORM PTO-1449 (Modified)		ATTY DOCKET NO: S63.2-5424 10401	10/080781 Serial No: 08397,837
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT: Lixiao Wang et al	RECEIVED MAY 28 2002
		FILING DATE: March 2, 1995 2/22/02	Group: 3061 30023
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
CA	Flesher, "Polyether block amide, high-performance TPE," Modern Plastics, September 1987, pp. 100,105, 110.		
CB	Koeh, "PEBAX (Polyether Block Amide)", Advances in Polymer Technology, Vol 2, No. 3 1982 pp. 160-162.		
CC	De, et al, eds. <u>Thermoplastic Elastomer from Rubber-Plastic Blends, Chapter 1</u> , Ellis Horwoal, New York pp. 13-27.		
CD	Gorski, "The Nomenclature of Thermoplastic Elastomers," Kunststoffe German Plastics, 83 (1993) No. 3, pp 29-30.		
CE	Hofmann, "Thermoplastic Elastomers," Kunststoffe German Plastics, 80 (1990) No. 10, pp 88-90.		
CF	Atochem, "Pebax® Resins 33 Series Property Comparison" undated, (1 pg manufacturers technical information sheet received 9/29/94).		
CG	Atochem, undated and untitled brochure for Pebax® resins, pgs 2-5.		
CH	Bhowmick, et al eds., <u>Handbook of Elastomers</u> , Chapters 10 and 12, Marcel Dekker Inc., pp 341-373 and 411-442.		
CI	Walker, et al, eds. <u>Handbook of Thermoplastic Elastomers</u> , Chapter 8, Van Nostrand Reinhold Co., NY pp 258-281.		
CJ			
CK			
CL			
CM			
CN			
CO			
CP			
EXAMINER	/Michael Miggins/		DATE CONSIDERED
03/02/2009			
communication to applicant.			



<b>FORM PTO-1449 (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		ATTY DOCKET NO: S63.2-5424 <b>10401</b>		Serial No: 08/497,837 <i>10080781</i>				
		APPLICANT: Lixiao Wang et al						
		FILING DATE: <u>March 2, 1995</u> <b>2/22/02</b>		Group: 3306 <b>3763</b>				
<b>REFERENCE DESIGNATION</b>		<b>U.S. PATENT DOCUMENTS</b>						
EXAM'S INIT.		PATENT NUMBER	ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,500,180	3/19/96	Anderson et al		264	532	
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
<b>FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION</b>								
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BA							
	BB							
	BC							
	BD							
	BE							
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	CA							
	CB							
	CC							
EXAMINER <i>/Michael Miggins/</i>		DATE CONSIDERED		03/02/2009				
next communication to applicant.								

<b>FORM PTO-1449 (Modified)</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <small>(Use several sheets if necessary)</small>		ATTY DOCKET NO: S63.2-5424-10401		10/080781
		APPLICANT: Lixiao Wang, et al		Serial No: 08/397,837
		FILING DATE: March 2, 1995 2/22/02		Group: 3306 3763

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE MAILED 30 2002 APPROPRIATE
AA	4,898,591	2/90	Jang et al	604		TECHNOLOGY CENTER 7300
AB	4,917,667	4/90	Jackson	604		
AC	4,950,257	8/90	Hibbs et al	604		
AD	4,385,635	5/83	Ruiz	128		
AE	4,886,506	12/89	Lovgren et al	604		
AF	4,563,181	1/86	Wijaymathna	604		
AG	4,906,244	3/90	Pinchuck et al	606		
AH	4,254,774	5/81	Boretos	128		
AI	5,290,306	3/94	Trotta et al	606	194	
AJ	5,250,069	10/93	Nobuyoshi et al	606		
AK	4,332,920	6/82	Foy et al	525		
AL	4,331,786	5/82	Foy et al	525		

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL		566 755 A	10/93	EP				
AM		540 858 A	12/93	EP				
AN		420 488 B	7/93	EP				
AO		92/8512	5/92	WO				
AP		92/19316	11/92	WO				
AQ		274 411	7/88	EP				
AR		592 885 A	4/94	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Places of Publication)

AR		DuPont, "Hytrell®" 11 pg undated product brochure (received 9/90)
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FORM PTO-1449 (Modified)		ATTY DOCKET NO: S63.2-3424 10901		Serial No:08/297,837	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Lixiao Wang		10/080781	
		FILING DATE: March 2, 1995 2/22/02		Group: 2306 3763	
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS
AA	5,328,468	7/94	Kaneko, et al	604	96
AB	4,675,361	6/94	Ward, Jr.	525	92
AC	5,344,400	9/94	Kaneko, et al	604	96
AD	5,281,677	1/94	Onwunaka, et al	525	458
AE	5,295,978	3/94	Fan, et al	604	265
AF	5,397,306	3/95	Nobuyoshi, et al	604	96
AG	4,786,556	11/88	Hu, et al	428	412
AH	5,304,134	4/94	Kraus, et al	604	96
AI	5,335,675	8/94	Wheeler, deceased, et al	128	842
AJ	5,348,538	9/94	Wang, et al	604	96
AK	5,300,048	4/94	Drewes, Jr. et al	604	280
AL	4,950,239	8/90	Gahara et al	604	96
AM	4,154,244	5/91	Becker et al	128	349B
AN	4,938,676	7/90	Jackoski et al	425	140
AO	4,952,357	8/90	Enteneuer	264	129
AP	4,413,989	11/83	Schjeldahl et al	604	96
AQ	4,490,421	12/84	Levy	428	35
AR	5264260	11/93	Saab		
AS	5358486	10/95	Saab		
AT					
AU					
AV					
AW					
AX					
AY					
EXAMINER	/Michael Miggins/		03/02/2009		
DATE CONSIDERED					

next communication to applicant.

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8 of 18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		MAY 28 2002		10401 BATTY DOCKET NO: 563.2-6119		10401 Serial No: 08/671,861	
				APPLICANT: Lixiao Wang et al			
				FILING DATE: June 28, 1993		2/22/02	
						Group: 3763	
REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
EXAMINER'S INITIALS		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
AA		5304340	4/195	Downey			4/6/93 TECHNOLOGY CENTER R3700
AB							
AC							
AD							
AE							
AF							
AG							
FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES NO
BA		2 651 681	3/15/91	FR			
BB		0 566 755 A1	10/27/93	EP			
BC		0 513 459 A1	11/19/92	EP			
BD		84/01513	4/26/84	WO			
BE							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CA							
CB							
CC							
EXAMINER	/Michael Miggins/		DATE CONSIDERED		03/02/2009		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (Modified)	MAY 28 2002	ATTY DOCKET NO: S63.2-6400-10401	Serial No: 10/080781 08/865,899
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
		APPLICANT: Lixiao Wang et al.	
		FILING DATE: February 25, 1997	2/22/02
			Group: 3306 3763

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

CA	Form 892, US serial number 087671,861	RECEIVED MAY 30 2002 TECHNOLOGY CENTER PJO
CB	Form 892, US serial number 08/397,837	
CC	Form 892, US serial number 08/204,554	
CD	Tecoflex <sup>®</sup> Medical Grade Aliphatic Thermoplastic Polyurethanes, date unknown	
CE	SCIMED LEAP TRIO PTCA CATHETERS, May 16, 1995	
CF	Dow Processing Guide, Pellethane, date unknown	
CG	Dupont product literature on HYTREL, date unknown	
CH	Dow Chemical product literature on ISOPLAST, December 17, 1991 and other dates unknown	
CI	Tecothane <sup>®</sup> Medical Grade Aliphatic Thermoplastic Polyurethanes, date unknown	
CJ	Thermoplastic Elastomer data sheet, D.A.T.A. Business Publishing, p. 2-1709 1994	
CK	Polyamide-Nylon data sheet, D.A.T.A. Business Publishing, p. 2-595 1994	
CL	International Search Report, International Application PCT/US 95/02717	
CM	Polyether Block Amide data sheet, D.A.T.A. Business Publishing, p. 2-837 1994	
CN	Tecoplast <sup>™</sup> Engineering Polyurethane Resins May 1996	
CO		
CP		
CQ		

EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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Page 10 of 18

FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		MAY 28 2002	ATTY DOCKET NO.: S63.2-6400 APPLICANT: Lixiao Wang et al	10401	SERIAL NO.: 08/805,899 10080781		
			FILING DATE: March 6, 1997	3/22/02	GROUP: 2763		
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS MAY 3 2002 TECHNOLOGY		
AA					TECHNOLOGY CENTER R3700		
AB							
AC							
AD							
AE							
AF							
AG							
FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
BA	531 117 B1	10/3/93	EP			YES	NO
BB	95/09667	4/13/95	WO				
BC							
BD							
BE							
BF							
BG							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CA							
CB							
CC							
CD							
CE							
EXAMINER	/Michael Miggins/		DATE CONSIDERED	03/02/2009			
EXAMINER. Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY DOCKET NO: S63.2-6400 10401	MAY 10 2002
TRADEMARK OFFICE		APPLICANT: Wang et al	TECHNOLOGY CENTER R3700
		FILING DATE: 2/25/97 2/22/02	Group: 3306 3763

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER'S INITIALS	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	5,554,120	9/96	Chen et al	604	96	7/25/94	
AB	5,565,523	10/96	Chen et al	525	176	6/7/95	
AC							
AD							
AE							
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AH							
AI							
AJ							
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## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	96/37240	11/96	WO				
BB							
BC							
BD							
BE							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA			
CB			
CC			

EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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FORM PTO-1449 (Modified)

MAY 28 2002

ATTY DOCKET NO: S63.2-6400 10401

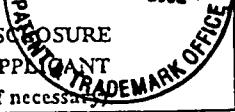
10/1080781  
Serial No: 08/805-899INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

APPLICANT: Lixiao Wang et al.

FILING DATE: February 23, 1997

2/22/02

Group: 3306 3763



## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,565,523	10/15/96	Chen et al.	525	176	6/7/95
AB						
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## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

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BA	95/23619	9/8/95	WO	A61L	29/00		x
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BD							
BE							

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CA			
CB			
CC			

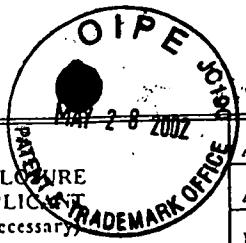
EXAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

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FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				ATTY DOCKET NO.: 82-7136	SERIAL NO.: 09/137638	
				APPLICANT: Lixiao Wang et al.		
				FILING DATE: 8/21/1998	GROUP: 3733 3763	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE MAY 28 2002 APPROPRIATE
AA	5807520	9/15/98	Wang	264	520	TECHNOLOGY CENTER R3700
AB	5,478,320	12/26/95	Trotta	604	96	
AC	5,334,146	8/2/94	Ozasa	604	96	
AD	5,254,091	10/19/93	Aliahmad et al	604	96	
AE	5,500,181	3/19/96	Wang et al	264	532	
AF	5,316,016	5/31/94	Adams et al	128	774	

## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	0 436 501	7/10/91	EP				
BB	0 485 903	5/20/82	EP				
BC	0 318 919	6/7/89	EP				
BD	WO 96/12516	5/2/96	WO				
BE	WO 96/04951	2/22/96	WO				
BF	WO 95/22367	8/24/95	WO				
BG	WO 92/08512	5/29/92	WO				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

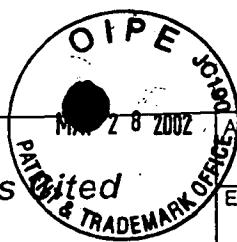
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EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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Page 16 of 18

FORM PTO-1449 (Modified)		MAY 28 2002	ATTY DOCKET NO.: S63.2-7567 <i>10401</i>	APPLICATION NO.: 10/080781 09/328701
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <small>(Use several sheets if necessary)</small>				
		APPLICANT: Lixiao Wang et al.	<b>RECEIVED</b>	
		FILING DATE: June 9, 1999 <i>2/22/02</i>	GROUP <i>30</i> 30 2002	
<b>REFERENCE DESIGNATION</b>			<b>U.S. PATENT AND PUBLISHED APPLICATION DOCUMENTS</b>	
EXAM'S INIT.	DOCUMENT NUMBER	DATE	NAME	TECHNOLOGY CENTER CLASS/ SUBCLASS
AA	5,342,386	8/30/94	Trotta	606/194
AB	5,334,146	8/2/94	Ozasa	604/96
AC				
AD				
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<b>FOREIGN PATENT DOCUMENTS</b>				
	DOCUMENT NUMBER	DATE	COUNTRY	
BA	4-144572	5/19/92	JP	
BB	3-176068	7/31/91	JP	
BC	592870	4/20/94	EP	
BD	381919	6/7/89	EP	
BE	606165	7/13/94	EP	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
CA		"Thermoplastic Elastomer," Kagaku Kogyo Nippōsha, published Feb. 15, 1992, pgs 23-39 and 225-229 with partial translation.		
CB		<i>Ullmann's Encyclopedia of Industrial Chemistry</i> (1995), Vol A26, Cpt 4, "Thermoplastic Elastomers," pp 651-655.		
CC				
EXAMINER	/Michael Miggins/		DATE CONSIDERED	03/02/2009
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				



## Notice of References

Application No.

68/844,764

10/1280781

Examiner

Jennifer R. Sadula

Applicant(s)

WANG et al.

Group Art Unit

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Page 1 of 1

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MAY 30 2002

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## U.S. PATENT DOCUMENTS

DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A 4,490,421	12/25/84	LEVY	604	96
B 5,328,468	6/12/94	KANEKO et al.	604	96
C 5,344,400	9/6/94	KANEKO et al.	604	96
D 5,270,086	7/9/91	HAMLIN	604	96
E 5,769,817	6/23/98	BURGMEIER	604	96
F Re. 33,561	3/26/91	LEVY	604	96
G RE. 32,983	7/11/89	LEVY	604	96
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## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N					
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Q					
R					
S					
T					

## NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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V	
W	
X /Michael Miggins/	03/02/2009

\* A copy of this reference is not being furnished with this Office action.  
(See Manual of Patent Examining Procedure, Section 707.05(a).)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/



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MAY 28 2002

10/080781 2002  
Serial No. 09/137,658

TECHNOLOGY CENTER 20700

FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Docket No.: 10401 10/080781 Applicant: Lixiao Wang et al Filing Date: 07/22/02	10/080781 2002 Serial No. 09/137,658 Group: 3731 3763
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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	4,154,244	5/15/79	Becker et. al.	128	349		
AB	4,952,357	8/28/90	Euteneuer	264	129		
AC	4,906,244	3/6/90	Pinchuk et al	606	194		
AD	5,087,394	2/11/92	K eith	204	22		
AE	4,938,676	7/3/90	Jaekowski et al	423	140		
AF	4,963,313	10/90	Noddin et al	264	563		
AG	4,413,989	11/8/83	Schjeldahl et al	604	96		
AH	4,456,000	6/26/84	Schjeldahl et al	128	1		
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DATE CONSIDERED:

03/02/2009

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PTO-1449 (Modified)

MAY 30 2002

10401

Application No:09/137,653

PENDING

MAY 30 2002

DEPARTMENT 3763

TECHNOLOGY CENTER P3700

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			PATENT DOCKET NO:563.2-7136-10401 APPLICANT: Lixiao Wang et al FILING DATE:8/21/98 02/22/02			RECEIVED MAY 30 2002 DEPARTMENT 3763 TECHNOLOGY CENTER P3700	
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAMINER'S INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,556,383	9/17/96	Wang	604	96	
	AB	5,270,086	12/14/93	Hamlin	428	35.2	
	AC	5,195,969	3/23/93	Wang et al	604	96	
	AD	5,512,051	4/30/96	Wang et al	604	96	
	AE	5,403,340	4/4/95	Wang et al	606	194	
	AK	5,411,477	5/2/95	Saab	604	96	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BA	WO 89/08473	9/21/89	WO			
	BB	WO 92/19440	11/12/92	WO			
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CA						
	CB						
	CC						
EXAMINER	03/02/2009		DATE CONSIDERED	03/02/2009			

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Page 2 of 2  
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